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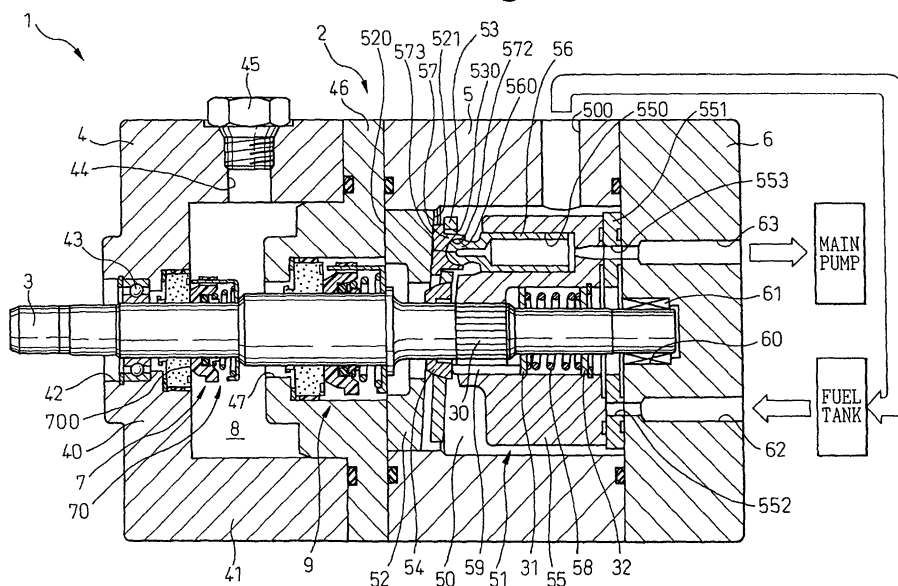
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(54) **Shaft seal device having shaft seal portions with good sealing and lubrication qualities**

(57) The shaft seal device of the present invention seals the periphery of a rotating shaft of a fluidic machine that comprises a casing 2 including a mechanism compartment 50 having a compressing or pumping mechanism portion 51 which compresses or pumps an actuating fluid, and a rotating shaft 3, one end of which extends from the casing 2 to an outside and the other end of which is inserted into the mechanism compart-

ment 50 and is connected to the compressing or pumping mechanism portion 51. The shaft seal device has an oil chamber 8 which is provided, within the casing 2 and adjacent to the mechanism compartment 50 in which oil is hermetically contained, a first shaft seal portion 9 arranged between the oil chamber 8 and the mechanism compartment 50, and a second shaft seal portion 7 arranged between the oil chamber 8 and the outside.

Fig.1





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EUROPEAN SEARCH REPORT

Application Number
EP 02 01 6157

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
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The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 30 June 2004	Examiner Olona Laglera, C
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
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